Kobe Sarausad

LinkedIn   ksarausa@uw.edu
Portfolio   425-449-3681

Education

University of Washington   Seattle, WA   June 2023
Bachelor of Science in Statistics
GPA: 3.55/4.00

Relevant Coursework: Data Structures and Algorithms (CSE 373), Foundational Skills for Data Science (INFO 201), Statistical Computing (STAT 302), Elements of Statistical Methods (STAT 311), Data Science and Statistics for Social Science (STAT 321)

Experience

Self-Employed   Issaquah, WA   Jun 2021 – *Present*
Private Tutor

- Taught Python data structures and the use of each structure
- Illustrated the steps of data analysis using pandas and matplotlib (cleaning, summarizing, analyzing, and presenting)
- Demonstrated Linear Regression using Pandas and Statsmodel libraries in Python

Hybrid Architecture   *Seattle, WA*   *Jun 2018 – Sep 2018*
Architect Intern

- Organized and updated spreadsheets of materials used for projects using google sheets
- Documented the environment and surroundings of future project sites

Projects

- *Polarization of Congress (R)*
  - Performed SVD analysis based on the roll calls of the 90ths and 116th congress
  - Presented the analysis in a report format using ggplot and Rmarkdown
- *NFL Betting Dashboard (R)*
  - Used R Shiny to build and deploy an interactive web dashboard for visualizing NFL betting/game data (plotly)
  - Utilized HTML and CSS for better interactivity and appearance
- *Sample R Package (R)*
  - Integrated useful Statistical functions (t-test, linear models, random forest cross-validation)
  - Built own unit tests with 100% Coverage on Codedev
- *Sports Data Visualizations (R)*
  - Analyzed play-by-play data from NFL and MLB using nflfastR and baseballR
  - Employed dplyr to clean and analyze the data, tidymodels to create models, and ggplot/plotly to visually present the data (posted onto Twitter)

Skills

- Software Tools: Rstudio, Terminal, Eclipse, Jupyter Notebook, Virtual Studio Code, Atom, Tableau, Adobe Photoshop, Adobe Lightroom
- Computing:
  - Proficient: R
    - Data Analysis: tidyverse, hypothesis testing, statistical prediction, principal component analysis
    - Reporting: ggplot2, RMarkdown, Shiny, kableExtra
    - Development: R package development, unit testing, code coverage, version control via GitHub
  - [Basic/Familiar]: git, bash, Python, Java, HTML, CSS, JavaScript, SQL